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★TUEY = P32 94-157341/19 ★SU 1797884-A1
Artificial implanted valve for controlling intra-ocular pressure .
uses hollow rod made of material having property of dual shape
memory and cut on its side surface

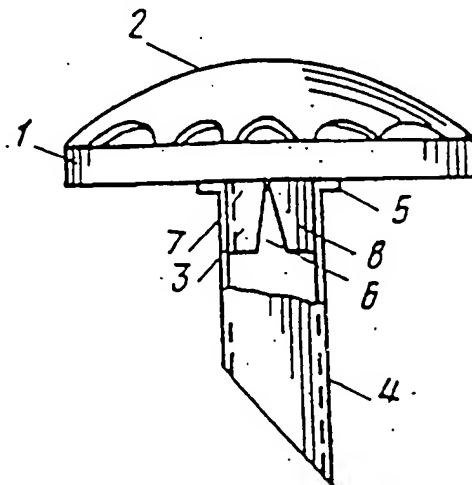
TURK EYE DISEASE RES INST 89.11.30 89SU-4761533

(93.02.28) A61F 9/00

The valve includes a disc shaped housing (1) with a dome (2) on one side and a hollow rod on another side, with a hollow needle coaxially situated w.r.t. it. The hollow rod is made of a material with dual shape memory effect.

Under a prescribed anaesthesia, using the needle (4) a sclera is cut at area of a ciliary body stepping from a limb by 2-4mm. A sharp end of the needle is then in a sub-ciliary space, while a lower surface of a rim (5) of the needle (4) is then on a surface of an eye ball. Then the housing (1) and the rod (3) is cooled down to a temp of 20 deg C and a hollow crown is inserted into a hollow needle (4) and a lower surface of the housing (1) is now on the surface of the eye ball.

USE/ADVANTAGE - In ophthalmology. Reduced trauma by more reliable fixing. Bul.8/28.2.93 (3pp Dwg.No.1/2)
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